

**Notice of Allowability**

Application No.

10/779,444

Examiner

Andy S. Rao

Applicant(s)

ARPA ET AL.

Art Unit

2621

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 4/2/07.
2. ☒ The allowed claim(s) is/are 3-6, 9-12, 14-16, 18-19, 21-22, 24-46 (respectively renumbered as claims 1-38).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

ANDY S. RAO  
Examiner

**DETAILED ACTION***Allowable Subject Matter*

1. Claims 3-6, 9-12, 14-16, 18-19, 21-22, 24-46 are allowed.

Independent claims 6, 12, 16, and 19 towards an apparatus (claim 19) and a method (claims 6, 12, and 16) for dynamic sensor placement, "...wherein, when one of the surfaces or objects of the 3D site model is positioned so as to be an occlusion between an occluded area that absent the occlusion is in the coverage covered by said at least one sensory device, said image is rendered so that the occluded area has a texture that differentiates from surfaces in the coverage of the sensory device..." which is a feature that is not anticipated nor obvious over the art of record. Independent claims 24 recites a method for placing a plurality of surveillance cameras in a site "...wherein the texture of the coverage is a pattern indicative of resolution of the coverage of the sensory device of the surfaces..." which is a feature that is not anticipated nor obvious over the art of record. Independent claims 26 recites a method for placing a plurality of surveillance cameras in a site "...wherein the rendering of said image includes ray tracing between the viewpoint and point on a surface in the 3D model and ray tracing between the point on the surface in the 3D model and each of the cameras, said point being displayed as in the coverage area when said ray tracings do not encounter any occlusion in the 3D model between said point on said surface and at least one of the cameras, and being displayed as outside the coverage area when there is an occlusion between the point and all of said cameras..." which is a feature that is not anticipated nor obvious over the art of record. Independent claims 28-31 recites and apparatus (claim 31) and a method (claims 28-30) for dynamic sensor placement recites "...wherein the texture of the coverage is a pattern indicative of resolution of the

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coverage of the sensory device of the surfaces..." which is a feature that is not anticipated nor obvious over the art of record. Dependent claims 3-5, 9-11, 14-15, 18, 21-22, 25, 27, 32-46 are allowed for the reasons concerning the independent claims.

***Conclusion***

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy S. Rao whose telephone number is (571)-272-7337. The examiner can normally be reached on Monday-Friday 8 hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on (571)-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Andy S. Rao  
Primary Examiner  
Art Unit 2621

asr  
April 17, 2007

